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CHECKLIST

The updated data on the leaf beetle diversity (Coleoptera, Chrysomelidae) of Algeti National Park and its environs (Georgia, Caucasus)

Nino Gabroshvili[1], Oxana Nesterova[2], Nana Bakhtadze[1]

1 *Institute of Zoology, Ilia State University, Cholokashvili Ave. 3/5, Tbilisi 0162, Georgia*
2 *Department of General Ecology and Methods of Teaching Biology, Faculty of Biology, Belarusian State University, Kurchatova str. 10, Minsk 220045, Belarus*

Corresponding author: *Nana Bakhtadze* (nana.bakhtadze@iliauni.edu.ge)

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Abstract

The species diversity of the leaf beetles was investigated in Algeti National Park and its environs (Georgia, Caucasus). Forty-eight species of leaf beetles belonging to 23 genera are listed. Among the taxa two genera and six species are recorded for the first time in the investigated area: *Agelastica* Chevrolat, *Leptinotarsa* Chevrolat, *Agelastica alni* Linnaeus, *Coptocephala rubicunda rossica* Laicharting, *Cryptocephalus duplicatus* Suffrian, *Labidostomis longimana* Linnaeus, *Leptinotarsa decemlineata* Say and *Smaragdina xanthaspis* Germar. A checklist of the chrysomelids of Algeti National Park and its environs is presented for the first time.

Keywords

Algeti National Park, Chrysomelidae, Georgia, Host plants, New records.

Introduction

Chrysomelidae is a highly diverse family of phytophagous insects, including over 45,000 described species (Jolivet 2015). Over 8,500 species of leaf beetles are listed in the Catalogue of Palaearctic Coleoptera (Löbl and Smetana 2010). Due to their predominantly phytophagous feeding habits, Chrysomelidae are an economically

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important group and a significant component of food webs (Sánchez-Reyes 2014). The leaf beetles are also useful indicators of the world's biodiversity (Farrell and Erwin 1988; Kalaichelvan and Verma 2005; Baselga and Novoa 2006; Aslan and Ayvaz 2009), environmental quality (Linzmeier et al. 2006) and changes in natural areas (Staines and Staines 2001; Flowers and Hanson 2003).

Currently, the Protected Areas of Georgia (Caucasus) cover 13% (912 908 ha) of the country. Algeti National Park occupies approximately 0.75% (6,822 ha) of the total protected area. The park lies in the southeast of Georgia, in Tetritskaro municipality of Kvemo Kartli region (see installation in Fig 1), at an altitude of 1,100–1,950 m above sea level. It comprises the southern slopes of the eastern area of the Trialeti mountain range in the Algeti River gorge (APA 2024). Despite the small area, the park is rich in plant species composition. A total of 1664 plant species have been recorded here, including three endemic species. It is known that plant species diversity causes a high diversity of phytophagous insects and provides rich material for faunistic investigations (Aslan et al. 2017). Totally, 558 phytophagous insect species from 22 families are known from Algeti National Park, including also leaf beetles (Tsiklauri 2006). However, the data on the chrysomelid species diversity of Algeti National Park as well as the whole Georgian Protected Areas is scarce and fragmentary, except Lagodekhi Protected Areas (Tulashvili 1953; Kobakhidze 1956; Aslan et al. 2017; Japoshvili et al. 2022).

The first notes on the Chrysomelidae fauna of the Algeti National Park and its environs were found in the works of Schneider and Leder (1878) and Radde (1899). Twelve species belonging to 10 genera are mentioned in these works. Makvala Seperteladze, who was actively studying the Georgian leaf beetles from 1963 to 1985 years, provides data about the 10 genera and twenty species distributed in the Algeti National Park and its environs (Makvala Seperteladze Collection 1963; Seperteladze 1966b, 1968). Some data on chrysomelids of the studied area can also be found in the works of other authors such as Eichler (1930), Zaitsev (1937), Supatashvili (1947), Shengelia (1951), and Medvedev and Okhrimenko (1991). Nadein gave one of the last data on chrysomelid fauna from the environs of the park in 2006, 2009, and 2010 describing three species. After Nadein's works, no data were added on the leaf beetle fauna of Algeti National Park and its environs, except a checklist of Japoshvili and Aslan (2020). The checklist listed four hundred-seven species of Georgian leaf beetles of which 10 species are indicated for Algeti National Park and its environs based on the literature (Japoshvili and Aslan 2020). As a result, thirty-nine species belonging to 21 genera of Chrysomelidae, including two endemics, have been recorded in the above-mentioned territory until our investigation.

This work aims to update data on the species diversity of leaf beetles in the Algeti National Park and its surroundings and also compile a checklist that has not been done so far.

Material and methods

The leaf beetle samples were collected in the investigated territory during 2018–2019, 2021 and 2023 years. The sample collection sites (Banks of the river and lake, mountain slopes, fields, etc) represented habitats with different types and compositions of trees, shrubs, and herbs. The hand-catching method was used to collect the material. This method is most suitable for revealing trophic relationships between insects and their host plants (Gavrilović and Ćurčić 2013). The entomological net was also used. Small species were collected with an aspirator. Material was collected from woody and shrubby plants using the shaking method. The coordinates of sample collection sites were determined using a GPS device Garmin eTrex10. The collection sites are given in Fig 1. The collected insects were killed in glass bottles with ethyl acetate and then made dry preparations. The taxa nomenclature follow that of Konstantinov et al. (2010). All taxa below subfamily are listed alphabetically within the higher taxon (Löbl and Smetana 2010). The synonyms are given in Konstantinov et al. (2010) and GBIF (2025); therefore, we did not repeat them in the presented article. In addition, the chrysomelid collection of Makvala Seperteladze, deposited in the museum of the Institute of Zoology at Ilia State University, was processed.

Some Georgian geographical names found in old literature are outdated and no longer used. This article provides their current names. The list of such names: Akhaltsikhe, Adigeni and Aspindza (part) municipalities=Akhaltsikhe uezd; Asureti=Elisabeththal; Bichvinta=Pitsundy; Bolnisi=Katharinenfeld/Yekaterinenfeld; Dedoplistskaro=Tsiteltskaro; Gardabani=Karaya; Gardabani plain=Karayazi;

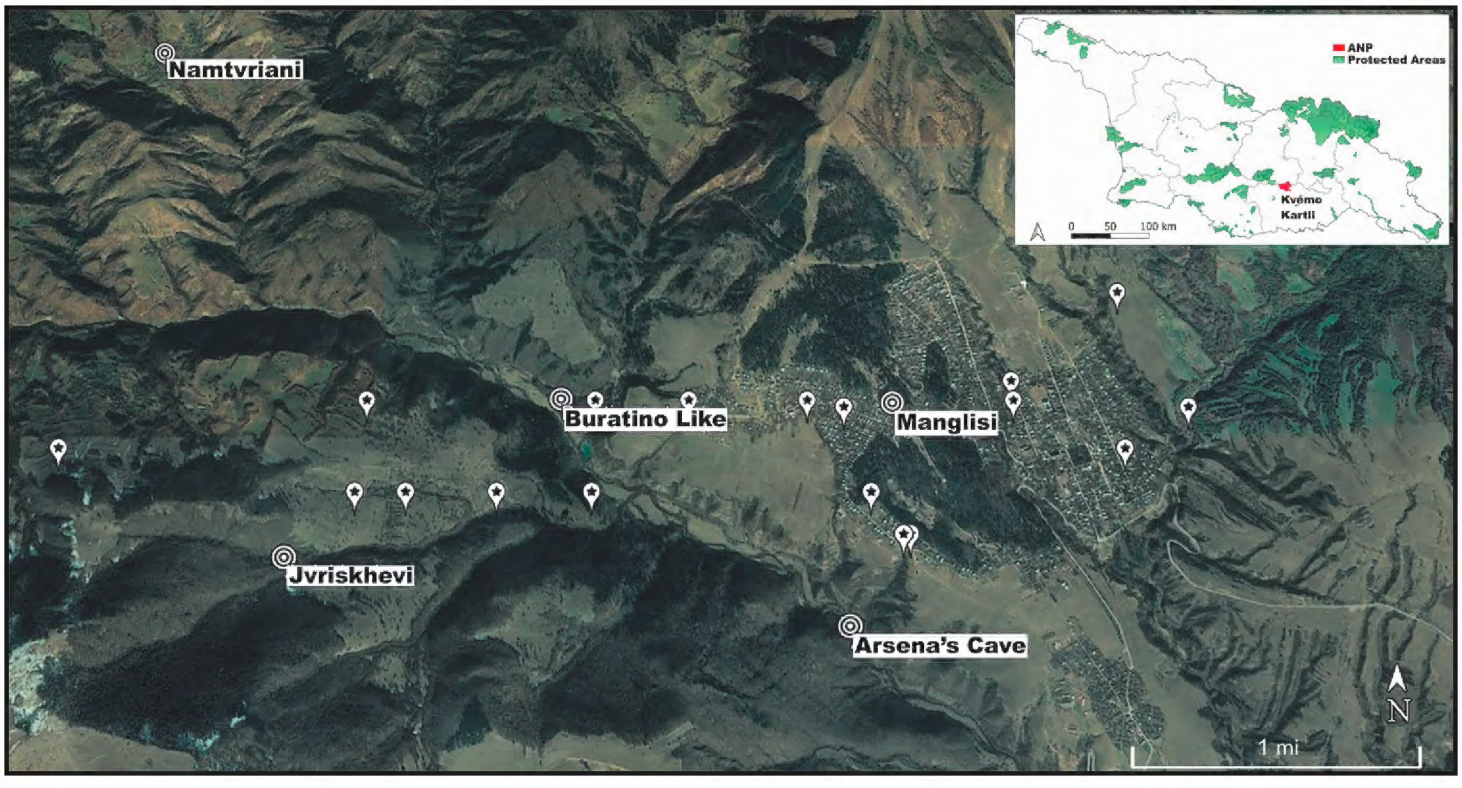

Figure 1. Map of sample collection sites in Algeti National Park and its environs (marked with drop pin icons). The figure also displays a map of Georgia's Protected Areas. The maps were created using QGIS (Version 3.36.2, QGIS.org, 2024) and data from the Google Earth Project.

Gori, Kaspi, Kareli, Khashuri, Borjomi and Java municipalities=Gori uezd; Kasristskali=Eldari; Khashuri=Mikhailovo; Khoni=Tsulukidze; Kojori=Katschora; Mtisdziri=Mamutli; Municipality=district; Shuana-Mta=Schuwana-mta; Sololaki Alley=Komkavshiri Alley; Stepantsminda=Kazbegi; Tskhinvali=Staliniri; Vake park=Gamarjvebis parki.

Acronyms used in the text: ANR - Abkhazia Natural Region; ANP - Algeti National Park; CNP - Colchis National Park; BR - Borjomi Reserve; GR - Gardabani Reserve; GSNR - Gumista Strict Nature Reserves; LNP - Lagodekhi National Park; LSNR - Lagodekhi Strict Nature Reserves; MSC - Makvala Seperteladze Collection; MSNR - Miuseri Strict Nature Reserves.

Abbreviations: ex (s) - exemplar; Lk - lake; Lowl - lowland; Mt - mountain; MtR - mountain range; nr - near; PAL – Palaearctic region; R - range; Riv - river; Settlem - settlement; surround - surrounding; Vly - valley.

Remark: The asterisks indicate new records from the investigated territory: *-genera; **-species.

Results

The data from our investigations, a review of existing literature, and the processing of the Makvala Seperteladze Collection have been summarized, resulting in a compiled checklist of leaf beetles of Algeti National Park and its surrounding areas.

Checklist of chrysomelids of Algeti National Park and its environs

Order Coleoptera
Family Chrysomelidae Latreille 1802
Subfamily Criocerinae Latreille, 1804
Genus *Crioceris* Geoffroy, 1762
***Crioceris quatuordecimpunctata* (Scopoli, 1763)**

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Algeti gorge (Schneider and Leder 1878), Gori (Uvarov 1918), Rustavi (Seperteladze 1967, 1968), Kvabiskhevi, Tana Vly., Tbilisi, GR, David Gareji (Seperteladze 1968), Skra and its surround. (Seperteladze 1968, 1973b), Adigeni (Seperteladze 1968, 1983).

Subfamily Cassidinae Gyllenhal, 1813
Tribe Cassidini Gyllenhal, 1813
Genus *Cassida* Linnaeus, 1758
Cassida rubiginosa Müller, 1776

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Algeti Riv. upper part, Mtisdziri, Kojori (Schneider and Leder 1878 as *C. vibex*), Borjomi (Schneider and Leder 1878; Zaitsev 1937), Khashuri

(Eichler 1930), Atskuri, Bakuriani, Likhi, Surami, Tbilisi, Gardabani, Teliani, Kartsakhi (Khozapini) Lk. (Zaitsev 1937), Colchis Lowl. (Kobakhidze 1943, 1963), Tkemlovani (Seperteladze 1968), Khobi (Kurashvili 1984), ANR (Okhrimenko 1992).

Material examined: Manglisi-Buratino Lk., 1 ex., 41.6953 N, 44.3476 E, 1038m, on *Hieracium lachenalii* Suter (Asteraceae Bercht. & J. Presl), 27.05.2018, N. Bakhtadze, N. Gabroshvili leg.

C. viridis Linnaeus, 1758

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Algeti gorge (Schneider and Leder 1878), Borjomi (Schneider and Leder 1878; Zaitsev 1937; Seperteladze 1968), Bakuriani, Abastumani, Algeti and Tana Lowl., Lagodekhi, Manglisi (Zaitsev 1937), Colchis Lowl. (Kobakhidze 1943, 1963), LSNR (Kobakhidze 1956, 1963; Aslan et al. 2017), Zilcha surround. (Seperteladze 1965), Kojori-Udzo (Seperteladze 1966a, 1966b), Akhalsopeli, Tkemlovani, Mukhileti, Abukhalo, Sakavre (Seperteladze 1966b), Surami Pass (Seperteladze 1968), Skra, Chocheti, Metekhi, Tskhetisjvari (Seperteladze 1968, 1973b), Tsagveri (Seperteladze 1968; Seperteladze and Djavelidze 1980), Khobi, Anaklia, Kulevi (Kurashvili 1984), Adjara-Zeda Agara (Keda) (Orlova-Bienkowskaja 2014).

Genus *Pilemostoma* Desbrochers, 1891

Pilemostoma fastuosum (Schaller, 1783)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Manglisi Mt., Tsalka (Schneider and Leder 1878 as *Cassida fastuosa* var. *vittata*).

Subfamily Chrysomelinae Latreille, 1802
Tribe Chrysomelini Latreille, 1802
Subtribe Chrysomelina Latreille, 1802
Genus *Chrysomela* Linnaeus, 1758

Chrysomela populi Linnaeus, 1758

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Stepantsminda (Schneider and Leder 1878), Akhaltsikhe (Schneider and Leder 1878; Uvarov 1918; Seperteladze 1983), Tana gorge (Radde 1899), Metekhi, Gori, Tskhinvali (Uvarov 1918), nr. Tbilisi and Tbilisi (Uvarov 1918; Eichler 1930; Lozovoy 1941, 1948, 1965a; Zhizhilashvili 1947; Seperteladze 1966a, 1968), Zugdidi (Lozovoy 1941), Manglisi (Supatashvili 1947), Sukhumi municipality (Vashadze 1955), Rustavi and its surround. (Lozovoy 1956a; Seperteladze 1966a, 1967, 1968), Georgian lower mountain forests (Lozovoy 1956b, 1965b), Ajameti (Lozovoy 1956b; Kobakhidze 1963), Mtskheta (Lozovoy 1956b, 1965b; Seperteladze 1966a), Abkhazia, Samegrelo Lowl. and Samegrelo, Lower Imereti, Alazani Vly., Along the Mtkvari Riv. (from Rustavi to Azerbaijan), Colchis Lowl. (Kharasishvili 1957; Kurashvili 1984), Omalo (Seperteladze 1962, 1964), Borjomi-Bakuriani gorge

(Kobakhidze 1963; Seperteladze and Djavelidze 1980), Ifari, Ushguli, Koruldashi (Seperteladze 1964), Sartichala (Seperteladze 1966a), Akhalsopeli, Tkemlovani (Seperteladze 1966b), Kojori (Seperteladze 1967, 1968), Abastumani, Ateni, Borjomi, Tsagveri, Bakuriani, Lomismta, Akhalkalaki, Tana Vly., Gardabani plain, Lagodekhi, Telavi, Chiauri forest, Taribana (Seperteladze 1968), Mukhrani, Gorijvari, Igoeti (Seperteladze 1968, 1973b), Digomi (Seperteladze 1968, 1985), Samgori Vly. (Abashidze and Khidesheli 1969, 1972), Lisi Lk. surround., Sololaki Alley (Seperteladze 1985).

Subtribe Gastrophysina Kippenberg, 2010
Genus *Gastrophysa* Chevrolat, 1836
***Gastrophysa polygoni* (Linnaeus, 1758)**

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Borjomi, Stepantsminda, Tsalka plateau, Gomareti (Schneider and Leder 1878), Manglisi, Kakheti, Tana gorge (Radde 1899), Samgori Vly. (Kobakhidze 1951, 1963), Gardabani, Ajameti, Mredeli (Chavchanidze and Samunjeva 1954), LSNR (Kobakhidze 1956, 1963), Shiraqi (Kobakhidze 1958), Tskhratskaro (Kobakhidze 1963), Didi Shiraqi, Shiraqi-Eldari, Eldari Vly., Zilcha and Kasristskali surround. (Kobakhidze 1963; Seperteladze 1965), Klichi gorge (Seperteladze 1964), Tbilisi (Digomi), Betania, Kumisi Lk. surround. (Seperteladze 1966a), Kiketi-Kojori, Akhalsopeli, Rekha (Seperteladze 1966b), Kojori (Seperteladze 1967, 1968), Tabatskuri, Tana Vly., Kachreti, Chocheti, Skra and its surround., Dmanisi, Sioni, Tbilisi See surround., Lochini gorge, Mirzaani, Taribana, Vashlovani (Seperteladze 1968), Tskhetisjvari, Kavtiskhevi, Zerti, Mejvriskhevi, Kaspi surround. (Seperteladze 1968, 1973b), Mtskheta (Seperteladze 1968; Razmadze et al. 1974), Bakuriani, Bakuriani-"Kokhta Mta" (Seperteladze 1968; Seperteladze and Djavelidze 1980), Ninotsminda, Sapara, Paravani Lk. and its surround. (Seperteladze 1968, 1983), Akhalkalaki, Java (Razmadze et al. 1974), Kobi, Kulevi (Kurashvili 1984).

Tribe Doryphorini Motschulsky, 1860
Subtribe Chrysolinina S.-H. Chen, 1936
Genus *Chrysolina* Motschulsky, 1860
***Chrysolina armeniaca* (Faldermann, 1837)**

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Manglisi Mt. (Schneider and Leder 1878), Abkhazia: Sukhumi and its surround. (Zaitsev 1912), Borjomi (Seperteladze 1968), Dmanisi (Lopatin and Seperteladze 1979), Abkhazia-Pskhu, Manglisi, Tbilisi (Medvedev and Okhrimenko 1991), ANR (Okhrimenko 1992), Gagra (Orlova-Bienkowskaja 2014).

***Ch. chalcites* (Germar, 1824)**

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Aksu, Mughanlo, Bolnisi (Schneider and Leder 1878), Tbilisi (Schneider and Leder 1878; Radde 1899; Seperteladze 1968), Samgori Vly.

(Kobakhidze 1951, 1963), Manglisi (MSC 1963; Seperteladze 1968), Shiraqi, Mtskheta, Teliani (Seperteladze 1968), Akhaltsikhe, Atskuri, Khertvisi (Seperteladze 1968, 1983).

Ch. fastuosa (Scopoli, 1763)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Tusheti (Schneider and Leder 1878), Tbilisi (Schneider and Leder 1878; Radde 1899), Manglisi, Khevsureti (Radde 1899), LSNR (Seperteladze 1964), Akhalsopeli, Rekha, Tkemlovani, Mukhileti (Seperteladze 1966b), Bakuriani, Gomi, Gujareti, Sanislo, Oqrokana, Lagodekhi-Khochaldag (Seperteladze 1968), Chocheti, Tskhetisjvari (Seperteladze 1968, 1973b), Akhalkalaki (Seperteladze 1968, 1983), Brili, Metekhi (Seperteladze 1973b), Adjara-Ponticus R. (Orlova-Bienkowskaja 2014).

Ch. gypsophilae (Küster, 1845)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Utsera (Seperteladze 1960), Omalo, Sakhevi Mt. (Seperteladze 1962), Manglisi (MSC 1963; Seperteladze 1968), Greater Caucasus, Shiraqi-Eldari (Kobakhidze 1963), Kasristskali, Lekistskali and Pantishara gorges (Seperteladze 1965); Tbilisi (Seperteladze 1966a, 1968; Orlova-Bienkowskaja 2014), Borjomi, Mtskheta, Kojori-Udzo, Iagluja, Tabakhmela (Seperteladze 1968), Aspindza, Rustavi surround. (Seperteladze 1968, 1983).

Ch. herbacea (Duftschmid, 1825)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Surami, Tsalka plateau, Gomareti, Khevsureti (Schneider and Leder 1878), Akhaltsikhe (Schneider and Leder 1878; Seperteladze 1968, 1983), Svaneti (Radde 1899), Borjomi (Radde 1899; Seperteladze 1968), Tbilisi (Eichler 1930; Seperteladze 1966a, 1968), Gurshevi, Shovi (Seperteladze 1964), Kojori-Udzo (Seperteladze 1966a, 1966b), Kiketi, Odeti, Akhalsopeli, Saphudzvrebi, Rekha, Avranlo, Mukhileti, Khovle, Tkemlovani, Sakavre, Abukhalo, Loshkineti (Seperteladze 1966b), Gokhnari, Tsikhisjvari, Manglisi (Seperteladze 1966b, 1968), Rustavi, Kojori (Seperteladze 1967, 1968), Akhaldaba, Atskuri, Tana Vly., Lagodekhi, Akhmeta Baniskhevi, Tsagveri, Didi Tsemi, Patara Tsemi, Bakuriani, Gujareti, Goridziri, Tskhetisjvari, Tsodoreti, Tsodoreti-Bevreti, Oqrokana, Tskneti, Sioni, Amlevi (Seperteladze 1968), Skra and its surround., Metekhi, Mejvriskhevi (Seperteladze 1968, 1973b), Akhalkalaki (Seperteladze 1968, 1983; Razmadze et al. 1974), Paravani Lk. surround., Iraga, Samshvilde (Seperteladze 1968, 1983), Mtskheta (Razmadze et al. 1974), Tsagveri, Daba (Seperteladze and Djavelidze 1980), Saguramo-Gombori intermountain (Abashidze et al. 1982), Adigeni (Seperteladze 1983), Khobi (Kurashvili 1984), ANR (Okhrimenko 1992), Akhali Atoni, Akhali Gagra (Orlova-Bienkowskaja 2014).

Material examined: ANP, 22 exs., 41.7003 N, 44.3333 E, 1060m, 06.07.2018, 13 exs., 41.717 N, 44.33 E, 1190m, 23.07.2019; on *Mentha aquatica* L. (Lamiaceae

Martinov), N. Bakhtadze, N. Gabroshvili leg., Manglisi, 100 exs., 41.6988 N, 44.3798 E, 1200m, on *Mentha aquatica* L. (Lamiaceae Martinov), 22.06.2021, N. Bakhtadze, N. Gabroshvili leg.

Ch. salviae (Germar, 1824)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Tbilisi (Radde 1899; Seperteladze 1966a, 1968), Svaneti, Borjomi (Radde 1899; Seperteladze 1968), nr. Tbilisi (Eichler 1930), Vaziani surround., Patara Lilo (Seperteladze 1966a), Rekha, Pitsesi (misspelled as Pitsisi) (Seperteladze 1966b), Iagluja R. (Seperteladze 1967), Gori, Mukhrovani, Avchala, Zemo Avchala, Lisi Lk., Tskneti, Kojori, Manglisi, Sagarejo Utslevi, Iagluja (Seperteladze 1968), Igoeti (Seperteladze 1968, 1973b), Akhalkalaki, Atskuri, Akhaltsikhe (Seperteladze 1968, 1983), Saguramo-Gombori intermountain (Abashidze et al. 1982), Colchis Lowl. (Kurashvili 1984).

Ch. staphylaea (Linnaeus, 1758)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Kazbegi (Schneider and Leder 1878; Radde 1899), Bakuriani (Eichler 1930; Seperteladze 1968), Omalo (Seperteladze 1961, 1962), Rekha (Seperteladze 1966b), Kojori (Seperteladze 1967, 1968), Digomi, Tbilisi, Manglisi (Seperteladze 1968), Saguramo-Gombori intermountain (Abashidze et al. 1982).

Chrysolina sp.

Material examined: ANP-Algeti gorge, 2 exs., 41.6865 N, 44.3639 E, 1089m, on *Poa pratensis* L. (Poaceae Barnhart), 27.05.2019, N. Bakhtadze, N. Gabroshvili leg.

Ch. tesari (Roubal, 1936)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Sukhoy fontan (Bechyné 1950), Ertso Lk. and its surround. (Seperteladze 1973a; Lopatin and Seperteladze 1979), Tianeti, Tskhratskaro (Lopatin and Seperteladze 1979), Manglisi, Trialeti R., Rekha, Akhaltsikhe (Medvedev and Okhrimenko 1991).

Subtribe Doryphorina Motschulsky, 1860

Genus *Leptinotarsa* Chevrolat, 1836*

Leptinotarsa decemlineata (Say, 1824) **

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Gagra, Gudauta, Sukhumi, Akhaltsikhe, Tsalka, Gori, Tetritskaro, Gardabani, Marneuli, Bolnisi and Dedoplistskaro municipalities (Seperteladze et al. 1985), ANR (Okhrimenko 1992).

Material examined: Manglisi, 12 exs., 41.6988 N, 44.3798 E, 1200m, on *Solanum tuberosum* L. (Solanaceae Juss.), 08.06.2021, N. Bakhtadze, N. Gabroshvili leg.

Tribe Gonioctenini Motschulsky, 1860
Genus *Gonioctena* Chevrolat, 1836
***Gonioctena linnaeana* (Schrank, 1781)**

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Mtskheta (Eichler 1930; Seperteladze 1966a), Ketrisi, Zagari Pass (Seperteladze 1960, 1964), Tbilisi (Seperteladze 1966a), Akhalsopeli, Odeti (Seperteladze 1966b), Borjomi, Manglisi (Seperteladze 1968), Atskuri (Seperteladze 1968, 1983).

Tribe Timarchini Motschulsky, 1860
Genus *Timarcha* Latreille 1829
***Timarcha hummelii* Faldermann, 1837**

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Atskuri, Akhaltsikhe, Abastumani, Surami, Shuana Mt., Tsalka, Mtisdziri (Schneider and Leder 1878), Khevsureti (Schneider and Leder 1878; Seperteladze 1964), Surami, Kutaisi (Radde 1899), Borjomi (Radde 1899; Batiashvili and Tvalavadze 1948; Seperteladze 1968), Lebarde (Kobakhidze 1963), Avadkhara, Zeskho, Gurshevi (Seperteladze 1964), Kojori-Udzo (Seperteladze 1966a, 1966b), Odeti (Seperteladze 1966b), Kojori (Seperteladze 1967, 1968), Lomismta, Mtskheta, Tbilisi, Manglisi, Lagodekhi (Seperteladze 1968), Tskhetisjvari (Seperteladze 1968, 1973b), Akhalkalaki (Seperteladze 1968, 1983), Skra and its surround. (Seperteladze 1973b), ANR (Okhrimenko 1992).

Subfamily Galerucinae Latreille, 1802
Tribe Alticini Newman, 1835
Genus *Longitarsus* Latreille, 1829
***Longitarsus luridus* (Scopoli, 1763)**

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Schambobell, Gudauri (Schneider and Leder 1878), Borjomi (Schneider and Leder 1878; Radde 1899; Seperteladze 1968), Kojori (Schneider and Leder 1878; Seperteladze 1966a, 1967, 1968), Bakuriani (Radde 1899), Tbilisi (Radde 1899; Eichler 1930; Seperteladze 1966a, 1968), Vaziani surround., Kumisi Lk. surround. (Seperteladze 1966a), Akhalsopeli, Rekha (Seperteladze 1966b), Akhalkalaki, Bogdanovka, Tskhinvali, Gori, Manglisi, Teliani, Lagodekhi Gujareti, Adigeni, Vardzia, Ota, Utslevi, Gareji, Shiraqi, Kasristskali surround., Lekistskali gorge, Shavi Mta (Seperteladze 1968).

Genus *Mniophila* Stephens, 1831
***Mniophila caucasica* Nadein 2009**

Distribution: Russia, Georgia, Azerbaijan (Nadein 2009)

Georgian localities: MSNR, Bichvinta and Myussera surround., GSNR, Manglisi, Svaneti, Borjomi surround., Tbatana, Aguripsta, Bzyb, Gega, Gumiripsha, Gumista

and Reshevie Riv., Pskhu, Dou Pass, Bagri-Yashta MtR., nr. Anchkho Pass, nr. Auatkhara loc., Psheghishkhva Mt., nr. Malaya Ritsa Lk., Bzyb MtR. (Nadein 2009).

Genus *Phyllotreta* Chevrolat, 1836

Phyllotreta nigripes (Fabricius, 1775)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Zekari Pass, Gudauri, Manglisi Mt. (Schneider and Leder 1878), Tbilisi (Schneider and Leder 1878; Radde 1899), Gldani, Samgori, Lilo, Sartichala, Varketili, Martkopi, Ruisbolo (Abashidze and Kelenjeridze 1968), LNP (Aslan et al. 2017).

Genus *Psylliodes* Latreille, 1829

Psylliodes chalcomera (Illiger, 1807)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: ANR (Okhrimenko 1992), Kojori, Manglisi, Borjomi, Martkopi (Nadein 2010).

P. concolor Nadein, 2006

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Manglisi, Martkopi (Nadein 2006, 2010).

Note: Possibly endemic to Georgia (Löbl and Smetana 2010).

P. luteola (Müller, 1776)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Manglisi Mt. (Schneider and Leder 1878), Tbilisi (Eichler 1930), Martkopi (Nadein 2010).

Tribe Galerucini Latreille, 1802

Genus *Galeruca* Geoffroy, 1762

Galeruca pomonae (Scopoli, 1763)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Akhalkalaki, Atskuri, Kojori (Schneider and Leder 1878), Borjomi (Schneider and Leder 1878; Radde 1899; Shengelia 1951), Betania (Eichler 1930), Tbilisi (Eichler 1930; Seperteladze 1966a), Manglisi, Teliani, Mukhrani, Mukhrovani, Stepantsminda, Bogdanovka, Kala (Shengelia 1951), Samgori Vly. (Kobakhidze 1951, 1963), Greater Caucasus (Kobakhidze 1963), Ushguli, Koruldashi, Gurshevi (Seperteladze 1964), Ole ravine (Seperteladze 1965), Vaziani surround. (Seperteladze 1966a), Utslevi, Skra, Zilcha, Kasristskali (Seperteladze 1968), ANR (Okhrimenko 1992).

G. spectabilis (Faldermann, 1837)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Asureti (Schneider and Leder 1878), Khashuri (Kobakhidze 1947a), Gori (Kobakhidze 1947a; Beenen 2019), Tbilisi (Kobakhidze 1947a; Shengelia 1951; Seperteladze 1966a; Beenen 2019), Borjomi, Kojori, Mtskheta, Kiketi, Manglisi, Sagarejo, Telavi, Mukhrovani, Tskhinvali, Java, Pasanauri (Shengelia 1951), Shovi, Gurshevi (Seperteladze 1964), Saphudzvrebi (Seperteladze 1966b), Baniskhevi, Kasristskali, Ole ravine (Seperteladze 1968), Skra (Seperteladze 1973b), Adigeni (Seperteladze 1983), Kakheti, Shida Kartli (Beenen 2019).

G. tanaceti (Linnaeus, 1758)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Borjomi (Schneider and Leder 1878; Radde 1899; Shengelia 1951; Seperteladze 1968), Asureti (Radde 1899), Colchis Lowl. (Chaladidi) (Kobakhidze 1943, 1963), Abastumani, Akhalkalaki, Kiketi, Gardabani, Sagarejo, Gvandra, Kodori, Klukhori, Sokhumi, Kala, Lentekhi, Latpari (Shengelia 1951), Tbilisi (Shengelia 1951; Seperteladze 1966a, 1968), Kojori (Shengelia 1951; Seperteladze 1966a, 1966b, 1968), Bakuriani, Tskhinvali, Teliani (Shengelia 1951; Seperteladze 1968), Lagodekhi (Shengelia 1951; Seperteladze 1968; Aslan et al. 2017), Greater Caucasus (Kobakhidze 1963), Omalo (Seperteladze 1964), Didi Shiraqi (Seperteladze 1965), Akhalsopeli, Mukhileti (Seperteladze 1966b), Atskuri, Manglisi, Signagi, Utslevi, Java, Orbeti, Gokhnari, Shavi Mta, Kasristskali, Sakheva R. (Seperteladze 1968), Igoeti (Seperteladze 1968, 1973b), Daba (Seperteladze and Djavelidze 1980), Saguramo-Gombori intermountain (Abashidze et al. 1982), Akhaltsikhe (Seperteladze 1983), Khobi (Kurashvili 1984), ANR (Okhrimenko 1992).

Genus *Galerucella* Crotch, 1873

Galerucella tenella (Linnaeus, 1760)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Manglisi Mt. (Schneider and Leder 1878), Colchis Lowl., Poti, nr. Paliastomi Lk. (Kobakhidze 1943, 1963), Turtle Lk. (Seperteladze 1968), Atskuri and its surround. (Seperteladze 1968, 1983), Mtskheta, Akhalkalaki (Razmadze et al. 1974), CNP (Kvavadze et al. 2011).

Tribe Hylaspini Chapuis, 1875

Genus *Agelastica* Chevrolat, 1836 *

Agelastica alni (Linnaeus, 1758) **

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Adjara (Zhizhilashvili 1941), Abkhazia (Zhizhilashvili 1941; Vashadze 1955), Colchis Lowl. (Chaladidi) (Kobakhidze 1943, 1963; Kurashvili 1984), LSNR (Tulashvili 1953; Kobakhidze 1963), Rustavi (Lozovoy 1956a), Samegrelo lowland, Georgian lower mountain forests (Lozovoy 1956b, 1965b), Ajameti (Kobakhidze 1963), Borjomi, Gomi, Surami Pass, Gujareti, Utslevi, Goridziri (Seperteladze 1968), Tskhetisjvari, Skra (Seperteladze 1968, 1973b), Borjomi gorge (Seperteladze and Djavelidze 1980), Borjomi-Bakuriani forests (Lomidze et al. 2007),

CNP (Kvavadze et al. 2011), Gagra (Orlova-Bienkowskaja 2014), Batumi (Bezděk 2018).

Material examined: Manglisi-Buratino Lk., 2 exs., 41.6953 N, 44.3476 E, 1038m, on *Corylus avellana* L. (Betulaceae Gray), 27.05.2018, N. Bakhtadze, N. Gabroshvili leg.

Tribe Luperini Gistel, 1848
Subtribe Luperina Gistel, 1848
Genus *Calomicrus* Stephens, 1831
***Calomicrus caucasicus* (Weise, 1879)**

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Abastumani (Radde 1899; Ogloblin 1936), Tana gorge (Radde 1899; Seperteladze 1968), Manglisi, Lomismta, Kobi (Ogloblin 1936), Borjomi (Shengelia 1951), Bakuriani (Seperteladze 1968).

Note: Endemic to Caucasus (Seperteladze 1974; Löbl and Smetana 2010).

Genus *Luperus* Geoffroy, 1762
***Luperus longicornis* (Fabricius, 1781)**

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Manglisi (Radde 1899), Borjomi (Radde 1899; Shengelia 1951; Uvarov 1918), Gori, Kaspi, Kareli, Khashuri, Java, Akhaltsikhe, Adigeni and Aspindza (part) municipalities (Uvarov 1918), Tbilisi, Gare Kakheti (Batiashvili and Tvalavadze 1948).

***Luperus* sp.**

Material examined: Manglisi, 1 ex., 41.6936 N, 44.3706 E, 1186m, on *Corylus avellana* L. (Betulaceae Gray), 30.05.2018, N. Bakhtadze, N. Gabroshvili leg.

Subfamily Cryptocephalinae Gyllenhaal, 1813
Tribe Clytrini Kirby, 1837
Subtribe Clytrina Kirby, 1837
Genus *Clytra* Laicharting, 1781
***Clytra quadripunctata* (Linnaeus, 1758)**

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Grakali, Khidistavi (Kobakhidze 1945), Avadhara, Tsana, Glola, Gurshevi, Omalo (Seperteladze 1964), Tbilisi (Krtsanisi) (Seperteladze 1966a), Akhalsopeli (Seperteladze 1966b, 1968), Iagluja R. (Seperteladze 1967, 1968), Borjomi, Tana Vly., Saguramo, Kiketi, Manglisi, Teliani, Surami Pass, Tsikhisjvari, Tskhetisjvari, Tkviavi, Gokhnari, Lagodekhi, Akhmeta (Sepertelasze 1968), Mejvriskhevi (Seperteladze 1968, 1973b), Bakuriani (Sepertelasze 1968; Seperteladze and Djavelidze 1980), Akhaltsikhe, Aspindza, Khertvisi, Vardzia (Seperteladze 1968, 1983), Tsagveri surround. (Seperteladze and Javelidze 1980), Vake park (Seperteladze 1985).

Material examined: Manglisi, 1 ex., 41.6876 N, 44.3711 E, 1146m, 28.05.2018, 1 ex., 41.6936 N, 44.3706 E, 1186m, 28.05.2018; on *Achillea millefolium* L. (Asteraceae Bercht. & J. Presl), *Leontodon caucasicus* (M. Bieb.) Fisch. (Asteraceae Bercht. & J. Presl), N. Bakhtadze, N. Gabroshvili leg.

C. valeriana Ménétriés, 1832

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Tbilisi (Schneider and Leder 1878; Radde 1899), Borjomi (Radde 1899), Iagluja R. (Seperteladze 1967, 1968), Akhalkalaki, Digomi, nr. Lisi Lk., Tbilisi Sea surround., Mtskheta, Tskhneti, Kiketi, Kojori, Manglisi, Sakavre, Tkemlovani, Tsereti, Pitareti-Tandzia, Lagodekhi, Kasristskali, Pantishara, Mirzaani (Seperteladze 1968), Igoeti, Brili, Breti, Ali, Tskhetisjvari, Skra and its surround. (Seperteladze 1968, 1973b), Abastumani (Seperteladze 1983).

Material examined: Manglisi, 14 exs., 41.6876 N, 44.3711 E, 1146m, on *Achillea millefolium* L. (Asteraceae Bercht. & J. Presl), *Leontodon caucasicus* (M. Bieb.) Fisch. (Asteraceae Bercht. & J. Presl), 22.07.2019, N. Bakhtadze, N. Gabroshvili leg.

Genus *Coptocephala* Chevrolat, 1836

Coptocephala rubicunda rossica (Medvedev, 1977) **

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Caucasus, to the south, to the line: Sukhumi-Borjomi-Tbilisi-Grozny (Medvedev, 1990).

Material examined: ANP, 14 exs., 41.6903 N, 44.3298 E, 1295m, on *Zosima absinthiifolia* (Vent.) Link (Apiaceae Lindl.), 06.07.2018, N. Bakhtadze, N. Gabroshvili leg.

C. unifasciata (Scopoli, 1763)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Borjomi (Schneider and Leder 1878; Radde 1899; Seperteladze 1968), Tbilisi (Radde 1899; Seperteladze 1968), Samgori Vly. (Kobakhidze 1951, 1963), Shiraqi-Eldari (Kobakhidze 1963), Kala, Omalo (Seperteladze 1964), Samukhi, Vashlovani, Kasristskali, Pantishara gorge (Seperteladze 1965), Iagluja, Rustavi, Kojori (Seperteladze 1967, 1968), Akhaldaba, Likani, Borjomi-Atskuri, Patara Tsemi, Kiketi, Manglisi, Akhmeta, Lagodekhi, Teliani, Kumisi Lk., Dmanisi, Shavnabada (Seperteladze 1968), Mereti, Tkviavi, Zerti, Mejvriskhevi, Kheltubani, Noste, Kaspi surround., Kavtiskhevi, Tsinarekhi, Chocheti, Metekhi, Skra (Seperteladze 1968, 1973b), Igoeti (Seperteladze 1973 b), Atskuri (Seperteladze 1983).

Genus *Labidostomis* Chevrolat, 1836

Labidostomis longimana (Linnaeus, 1760) **

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Borjomi (Schneider and Leder 1878; Radde 1899), Gardabani Lowl. (Eichler 1930), Tskneti (Seperteladze 1966a), Kojori-Udzo (Seperteladze 1966a,

1966b, 1967), Tkemlovani, Khovle, Abukhalo (Seperteladze 1966b), Tbilisi surround: Iagluja R., Rustavi (Seperteladze 1967, 1968), Java (Seperteladze 1968; Razmadze et al. 1974), Bakuriani, Surami Pass, Utslevi, BR, Tskhetisjvari, Gorisdziri, Sakavre, Loshkineti, Didtavi (misspelled as Tavdidi), Digomi, Tbilisi (Funicular), Kojori, Kojori-Betania, Iagluja, Rustavi, Marneuli, Lagodekhi, Omalo, Chigo, Sakheva R. (Seperteladze 1968), Karaleti, Khashuri surround., Abisi, Plavi, Tsaghvli, Samkviralo, Rene, Brili, Mejvriskhevi, Skra and its surround. (Seperteladze 1968, 1973b), Sapara, Aspindza, Adigeni, Akhaltsikhe, Vardzia, Orchoshani (Seperteladze 1968, 1983), Mtskheta, Akhalkalaki (Razmadze et al. 1974), Saguramo-Gombori intermountain (Abashidze et al. 1982).

Material examined: ANP-nr. Algeti Riv., 4 exs., 41.6894 N, 44.3591 E, 1050m, on *Corylus avellana* L. (Betulaceae Gray), 30.05.2018, N. Bakhtadze, N. Gabroshvili leg.

L. propinqua Faldermann, 1837

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Bolnisi (Schneider and Leder 1878), Borjomi, Asureti (Schneider and Leder 1878; Radde 1899), Kutaisi, Tana gorge (Radde 1899), nr. Tbilisi, Mtskheta (Eichler 1930), Didi Shiraqi, Pantishara gorge (Seperteladze 1965), Kasristskali (Seperteladze 1965, 1968), Sadakhlo (Seperteladze 1966a), Kojori-Udzo (Seperteladze 1966a, 1966b), Kiketi-Kojori, Orbeti (Seperteladze 1966b), Kojori (Sepertelasze 1967, 1968), Atskuri, Manglisi, Gardabani plain, Pitareti, Pitareti-Abano (Sepertelasze 1968), Akhaltsikhe, Adigeni, Akhalkalaki (Sepertelasze 1968, 1983), Daba (Seperteladze and Djavelidze 1980), Saguramo-Gombori intermountain (Abashidze et al. 1982), Vardzia, Zekari Pass (Seperteladze 1983), Tbilisi (Funicular), Digomi, Ortachala (Seperteladze 1985).

Material examined: ANP-Algeti gorge, 4 exs., 41.6865 N, 44.3639 E, 1089m, on *Malus orientalis* Uglitzk. (Rosaceae Juss.), 30.06.2018, N. Bakhtadze, N. Gabroshvili leg., Jvriskhevi (Poliana) surround., 1 ex., 41.7 N, 44. 3222 E, 1341m, on *Carduus nutans* L. (Asteraceae Bercht. & J. Presl), *Leucanthemum vulgare* Lam. (Asteraceae Bercht. & J. Presl), 19.06.2023, N. Bakhtadze, N. Gabroshvili leg.

Genus *Smaragdina* Chevrolat, 1836

Smaragdina limbata (Steven, 1806)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Bolnisi (Schneider and Leder 1878 as *Gynandrophthalma limbata*), Asureti, Mushthaidi Garden (Radde 1899 as *G. limbata*), Tbilisi surround., Tbilisi (Khudadov forest, Funicular) (Eichler 1930 as *G. limbata*; Seperteladze 1966a as *G. limbata*; Seperteladze 1968, 1985), Shiraqi (Seperteladze 1965 as *G. limbata*), Kojori-Udzo (Seperteladze 1966a, 1966b), Rustavi, Kojori (Seperteladze 1967, 1968), Mtskheta, Manglisi, Kasristskali, Tsitsamuri, Lochini gorge, Pitareti, Pitareti-Tandzia (Seperteladze 1968), Colchis Lowl. (Kurashvili 1984).

Smaragdina sp.

Material examined: ANP (Arsena's Cave environs), 2 exs., 41.6833 N, 44.3667 E, 1056m, on *Alcea* sp. (Malvaceae Juss.), 31.05.2018, N. Bakhtadze, N. Gabroshvili leg.

S. xanthaspis (Germar, 1824) **

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Borjomi (Schneider and Leder 1878 as *Gynandrophthalma xanthaspis*), Shiraqi (Shavi Mta) (Seperteladze 1965 as *G. xanthaspis*), Tkemlovani (Seperteladze 1966b as *G. xanthaspis*), Tana Vly., Bakuriani-"Kokhta-Mta", Akhalisopeli (Seperteladze 1968), Zerti (Seperteladze 1968, 1973b), Saguramo-Gombori intermountain (Abashidze et al. 1982), Colchis Lowl. (Kurashvili 1984), Georgia, east to Borjomi (Medvedev 1990).

Material examined: ANP (Arsena's Cave environs), 2 exs., 41.6833 N, 44.3667 E, 1056m, on *Corylus avellana* L. (Betulaceae Gray), 31.05.2018, N. Bakhtadze, N. Gabroshvili leg.

Tribe Cryptocephalini Gyllenhaal, 1813
Subtribe Cryptocephalina Gyllenhaal, 1813
Genus *Cryptocephalus* Geoffroy, 1762

Cryptocephalus bipunctatus (Linnaeus, 1758)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Tbilisi (Botanical Garden, Funicular, Lisi Lk. surround., Digomi) (Eichler 1930; Seperteladze 1966a, 1968, 1985), Colchis Lowl. (Kharasishvili 1957), Shiraqi-Eldari (Kobakhidze 1963), Avadhara (Seperteladze 1964), Khoni municipality (Kharazishvili 1964), Pantishara gorge (Seperteladze 1965), Khovle (Seperteladze 1966b), Manglisi, Borjomi, Mtskheta, Signagi, Teliani, Goridziri, Ali, Kasristskali, Mirzaani, Vashlovani (Seperteladze 1968), Tskhetisjvari, Mejvriskhevi, Shavshvebi, Skra and its surround. (Seperteladze 1968, 1973b), Atskuri (Seperteladze 1968, 1983), Gorijvari (Seperteladze 1973b), Borjomi-Likani (Seperteladze and Djavelidze 1980), Khobi (Kurashvili 1984), ANR (Okhrimenko 1992).

Material examined: ANP, 2 exs., 41.6903 N, 44.3298 E, 1295m, on *Zosima absinthiifolia* (Vent.) Link (Apiaceae Lindl.), 27.05.2018, N. Bakhtadze, N. Gabroshvili leg.

C. concolor Suffrian, 1847

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Asureti, Bolnisi, Shavnabada, Schambobell, Gudauri, Stepantsminda (Schneider and Leder 1878), Borjomi (Schneider and Leder 1878; Radde 1899; Seperteladze 1968), Kojori (Schneider and Leder 1878; Seperteladze 1968), Surami, Tebulosmta (Radde 1899), Manglisi (Radde 1899; Seperteladze 1966b, 1968), Tana gorge (Radde 1899; Seperteladze 1968), Tskhratskaro (Kobakhidze 1947b, 1963; Seperteladze 1968), Samgori Vly. (Kobakhidze 1951, 1963), Khtsisi (Batiashvili et al. 1952), Sakhevi Mt. (Seperteladze 1962, 1964), Shiraqi-Eldari,

LSNR (Kobakhidze 1963) Avadhara, Koruldashi, Shovi, Glola, Ketrisi (Seperteladze 1964), Omalo (Seperteladze 1964, 1968), Didi Shiraqi, Shavi Mta (Seperteladze 1965), Kasristskali, Pantishara gorge (Seperteladze 1965, 1968), Samgori, Sadakhlo (Seperteladze 1966a), Tbilisi, Vaziani surround., Iagluja R. (Seperteladze 1966a, 1968), Kiketi-Kojori, Kojori-Udzo, Akhalsopeli, Rekha, Zirbiti-Saphudzvrebi, Tkemlovani, Sakavre, Abukhalo, Didtavi (misspelled as Tavdidi), Luli (misspelled as Luri) (Seperteladze 1966b), Rustavi (Seperteladze 1967, 1968), Surami Pass, Baniskhevi, BR, Borjomi-Likani, Bakuriani, Daba, Tba, Didi Tsemi, Tsikhisjvari surround., "Kokhta-Mta", Sanislo, Akhaltsikhe-Orchoshani, Trialeti Settlem., Sapara, Vardzia, Jvari Pass, Java, Digomi, Turtle Lk., Kojori-Betania, Tsalka, Gareji, Gokhnari, Pitareti-Tandzia, Pitareti, Mirzaani, Vashlovani, Taribana, Shuamta, Tsagveri, Sakochavi, Lomismta, Tabatskuri Lk., Gomi, Mtskheta, Saguramo, Lisi Lk., Gardabani plain, Teliani, Lagodekhi, Chigo, Bashla Khel Lk. (Seperteladze 1968), Kashuri surround., Tskhetisjvari, Rene, Kavtiskhevi, Shavshvebi, Skra and its surround., Gromi, Karaleti, Tkviavi, Brili, Igoeti (Seperteladze 1968, 1973b), Akhaltsikhe, Adigeni, Abastumani, Aspindza, Akhalkalaki, Rustavi surround., Atskuri (Seperteladze 1968, 1983), Saguramo-Gombori intermountain (Abashidze et al. 1982), Zekari Pass (Seperteladze 1983), Tsaishi, Anaklia (Kurashvili 1984).

C. cristula Dufour, 1843

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Stepantsminda, Schambobell, Surami (Schneider and Leder 1878 as *Cryptocephalus hypochaeridis*), Borjomi (Schneider and Leder 1878; Radde 1899 as *C. hypochoeridis*; Seperteladze 1968), Dadiashi, Svaneti (Radde 1899), Lomismta, Tana gorge (Radde 1899; Seperteladze 1968), Kesleti, Gvandra, Ifari, Shovi-Sakanto, Shovi-Buba, Glola-Gebi, Chiora-Saglolo, Gentsvishi, Khutia (Seperteladze 1960), Tsana, Dolomisis tsveri, Shovi (Seperteladze 1960, 1964), Avadhara, Glola, Bubisi (Seperteladze 1964), Kojori (Seperteladze 1967, 1968), Baniskhevi, Borjomi-Likani, Qvabiskhevi, Daba, Tsagveri, Bakuriani and its surround., Tsikhisjvari, Sanislo, Abastumani, Vardzia, Goridziri, Mtskhetisjvari, Akhalkalaki (Kartli), Java, Plavi, Kavtiskhevi, Kiketi, Manglisi, Akhalisopeli, Tkemlovani, Luli (misspelled as Luri), Saphudzvrebi, Sakavre, Didtavi (misspelled as Tavdidi), Abukhalo, Rekha, Dmanisi, Sioni, Akhmeta, Gombori, Shuamta, Sakochavi, Mleta, Saguramo, Tbilisi, Lagodekhi (Seperteladze 1968), Kheltubani, Zerti, Mejvriskhevi, Qitsnisi, Tkviavi, Mereti (Seperteladze 1968, 1973b), Atskuri (Seperteladze 1968, 1983), Tskhetisjvari, Gorijvari (Seperteladze 1973b), Saguramo-Gombori intermountain (Abashidze et al. 1982), Abastumani, Vardzia (Seperteladze 1983), Anaklia (Kurashvili 1984).

C. duplicatus Suffrian, 1847 **

Distribution: PAL (Löbl and Smetana 2010)

Material examined: ANP, 2 exs., 41.6944 N, 44.3475 E, 1121m, 12.06.2023, 39 exs., 41.6978 N, 44.3336 E, 1278m, 17.06.2023; on *Carduus nutans* L. (Asteraceae Bercht. & J. Presl), *Leucanthemum vulgare* Lam. (Asteraceae Bercht. & J. Presl), N.

Bakhtadze, N. Gabroshvili leg., Jvriskhevi (Poliana) surround., 4 exs., 41.7 N, 44. 3222 E, 1341m, on *Carduus nutans* L. (Asteraceae Bercht. & J. Presl), *Leucanthemum vulgare* Lam. (Asteraceae Bercht. & J. Presl), 19.06.2023, N. Bakhtadze, N. Gabroshvili leg., Namtvriani, 10 exs., 41.6926 N, 44.3404 E, 1218m, on *Centaurea phrygia* subsp. *salicifolia* (M. Bieb. ex Willd.) Mikheev (Asteraceae Bercht. & J. Presl), *Leontodon caucasicus* (M.Bieb.) Fisch. (Asteraceae Bercht. & J. Presl), 06.07.2018, N. Bakhtadze, N. Gabroshvili leg.

C. flavipes (Fabricius, 1781)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Asureti, Surami (Schneider and Leder 1878), Borjomi (Schneider and Leder 1878; Radde 1899; Seperteladze 1968), Khashuri (Eichler 1930), Tbilisi, Mtskheta (Eichler 1930; Seperteladze 1966a, 1968), Avadkhara, Lalkhori (Seperteladze 1964), Betania, Sadakhlo (Seperteladze 1966a), Kojori-Udzo (Seperteladze 1966a, 1966b), Orbeti (Seperteladze 1966b), Kojori (Seperteladze 1967, 1968), Ertatsminda, GR, Vashlovani, Omalo, Gomi, Manglisi (Seperteladze 1968), Brili, Mejvriskhevi, Zerti, Rene, Skra surround., Igoeti (Seperteladze 1968, 1973b), Atskuri, Akhaltsikhe (Seperteladze 1968, 1983), Digomi (Seperteladze 1968, 1985), Borjomi-Likani (Seperteladze and Djavelidze 1980), Saguramo-Gombori intermountain (Abashidze et al. 1982), Colchis Lowl. (Kurashvili 1984), ANR (Okhrimenko 1992), Abkhazia (Lopatin 2005).

C. ocellatus Drapiez, 1819

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Tana Vly. (Radde 1899; Seperteladze 1968, 1973b), Mtskheta, Tbilisi (Eichler 1930; Seperteladze 1966a), Colchis Lowl. (Kobakhidze 1943, 1963; Kurashvili 1984), Omalo (Seperteladze 1961, 1962, 1964), Shiraqi-Eldari, Lebarde (Kobakhidze 1963), Avadkhara, Bubisi (Seperteladze 1964), Akhalsopeli, Tkemlovani (Seperteladze 1966b), Kojori (Seperteladze 1967, 1968), Manglisi, Surami Pass, Bakuriani, Gokhnari, Mirzaani, Pantishara gorge (Seperteladze 1968), Skra (Seperteladze 1968, 1973b), Akhaltsikhe, Atskuri (Seperteladze 1968, 1983), Didi Tsemi (Seperteladze and Djavelidze 1980), Vera Vly. (Seperteladze 1985), ANR (Okhrimenko 1992), CNP (Kvavadze et al. 2011).

C. sericeus (Linnaeus, 1758)

Distribution: PAL (Löbl and Smetana 2010)

Georgian localities: Alazani (Schneider and Leder 1878), Borjomi, Atskuri and its surround. (Schneider and Leder 1878; Radde 1899; Seperteladze 1968), Kojori (Schneider and Leder 1878; Seperteladze 1967, 1968), Tskhenistskali, Adjara, Dadiashi, Dertseli (Radde 1899); Tbilisi (Eichler 1930; Seperteladze 1968), Samgori Vly. (Kobakhidze 1951, 1963), Omalo, Diklo, Sakhevi Mt. (Seperteladze 1962, 1964), Ifari, Dolomisis tsveri, Glola, Shovi, Ketrisi (Seperteladze 1964), Telavi, Kvareli and Lagodekhi municipalities (Dumbadze 1965), Vaziani, Tabakhmela surround.

(Seperteladze 1966a), Kojori-Udzo (Seperteladze 1966a, 1966b), Akhalsopeli, Odeti, Zirbiti-Saphudzvrebi, Saphudzvrebi, Rekha, Sakavre, Khovle (Seperteladze 1966b), Kiketi (Seperteladze 1966b, 1968), Iagluja R., Rustavi (Seperteladze 1967, 1968), Sakochavi, Pasanauri, Mtskheta, Saguramo, Gardabani plain, Akhmeta, Signagi, Lagodekhi, Manglisi, Teliani, Surami Pass, Baniskhevi, Borjomi-Likani, Qvabiskhevi, Tsagveri, Bakuriani, Didi Tsemi, "Kokhta-Mta", Gujareti, Gomi, Akhalkalaki (Kartli), Java, Karsani, Turtle Lk., Lisi Lk., Tsodoreti, Oqrokana, Sioni, Shavnabada, Gombori (Seperteladze 1968), Khashuri surround., Tskhetisjvari, Akhalkalaki and its surround., Ali, Mejvriskhevi, Abisi, Zerti, Skra and its surround., Tsinarekhi, Igoeti (Seperteladze 1968, 1973b, 1983), Daba, Tsikhisjvari and its surround. (Seperteladze 1968; Seperteladze and Djavelidze 1980), Aspindza, Rustavi surround. (Seperteladze 1968, 1983), Gromi, Rene (Seperteladze 1973b, 1983), Saguramo-Gombori intermountain (Abashidze et al. 1982), Zekari Pass (Seperteladze 1983), Khobi, Anaklia (Kurashvili, 1984), ANR (Okhrimenko, 1992).

Material examined: ANP, 4 exs., 41.6944 N, 44.3475 E, 1121m, 12.06.2023, 22 exs., 41.6978 N, 44.3336 E, 1278m, 17–19.06.2023; on *Carduus nutans* L. (Asteraceae Bercht. & J. Presl), *Leucanthemum vulgare* Lam. (Asteraceae Bercht. & J. Presl), N. Bakhtadze, N. Gabroshvili leg., Jvriskhevi (Poliana) and its surround., 62 exs., 41.7047 N, 44.3128 E, 1374m, on *Achillea millefolium* L. (Asteraceae Bercht. & J. Presl), *Leontodon caucasicus* (M.Bieb.) Fisch. (Asteraceae Bercht. & J. Presl), *Pentanema asperum* (Poir.) G.V. Boiko and Korniy (Asteraceae Bercht. & J. Presl), 07.07.2018, N. Bakhtadze, N. Gabroshvili leg., 15 exs., 41.6958 N, 44. 3353 E, 1303m, 19.06.2023, 16 exs., 41.7 N, 44. 3222 E, 1341m, 19.06.2023; on *Carduus nutans* L. (Asteraceae Bercht. & J. Presl), *Leucanthemum vulgare* Lam. (Asteraceae Bercht. & J. Presl), N. Bakhtadze, N. Gabroshvili leg., Namtvriani, 41 exs., 41.7281 N, 44.307 E, 1376m, on *Centaurea phrygia* subsp. *salicifolia* (M. Bieb. ex Willd.) Mikheev (Asteraceae Bercht. & J. Presl), *Dianthus armeria* L. (Caryophyllaceae Juss.), *Leucanthemum vulgare* Lam. (Asteraceae Bercht. & J. Presl), *Salvia nemorosa* L. (Lamiaceae Martinov), 23.07.2019, N. Bakhtadze, N. Gabroshvili leg.

Conclusions

According to the checklist compiled for the first time, the diversity of the leaf beetle species of Algeti National Park and its environs is represented by forty-eight species (three of them given in genus level) arranged in 23 genera. This comprises approximately 12% of the recorded beetle species in Georgia. Sixteen chrysomelid species belonging to 10 genera are determined during our investigations. Among them, 2 genera and six species are recorded for the first time from the study area: *Agelastica alni* Linnaeus, *Coptocephala rubicunda rossica* Laicharting, *Cryptocephalus duplicatus* Suffrian, *Labidostomis longimana* Linnaeus, *Leptinotarsa decemlineata* Say and *Smaragdina xanthaspis* Germar. Additionally, sixteen plant species from 16 genera

(families: Apiaceae, Asteraceae, Betulaceae, Caryophyllaceae, Lamiaceae, Malvaceae, Poaceae, Rosaceae, Solanaceae) are determined and listed as their host plants.

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